

ABSTRACT

A recloser trips on one phase for single-phase only fault conditions, or all phases for multi-phase fault conditions. During power delivery, the recloser monitors the three phases of a power line (e.g., phases A, B, and C). If a fault is detected on one phase, then a timer is started and subsequently decremented. If the timer finishes counting down while the fault is still present, then it is determined if any of the other two phases are timing a fault. If so, then all three phases are tripped; otherwise, only the faulted phase is tripped.